

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1050423

Luminaire Tested: PTR-14-30-PW1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050423
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-30-PW1-L840-UNV-STD-W
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

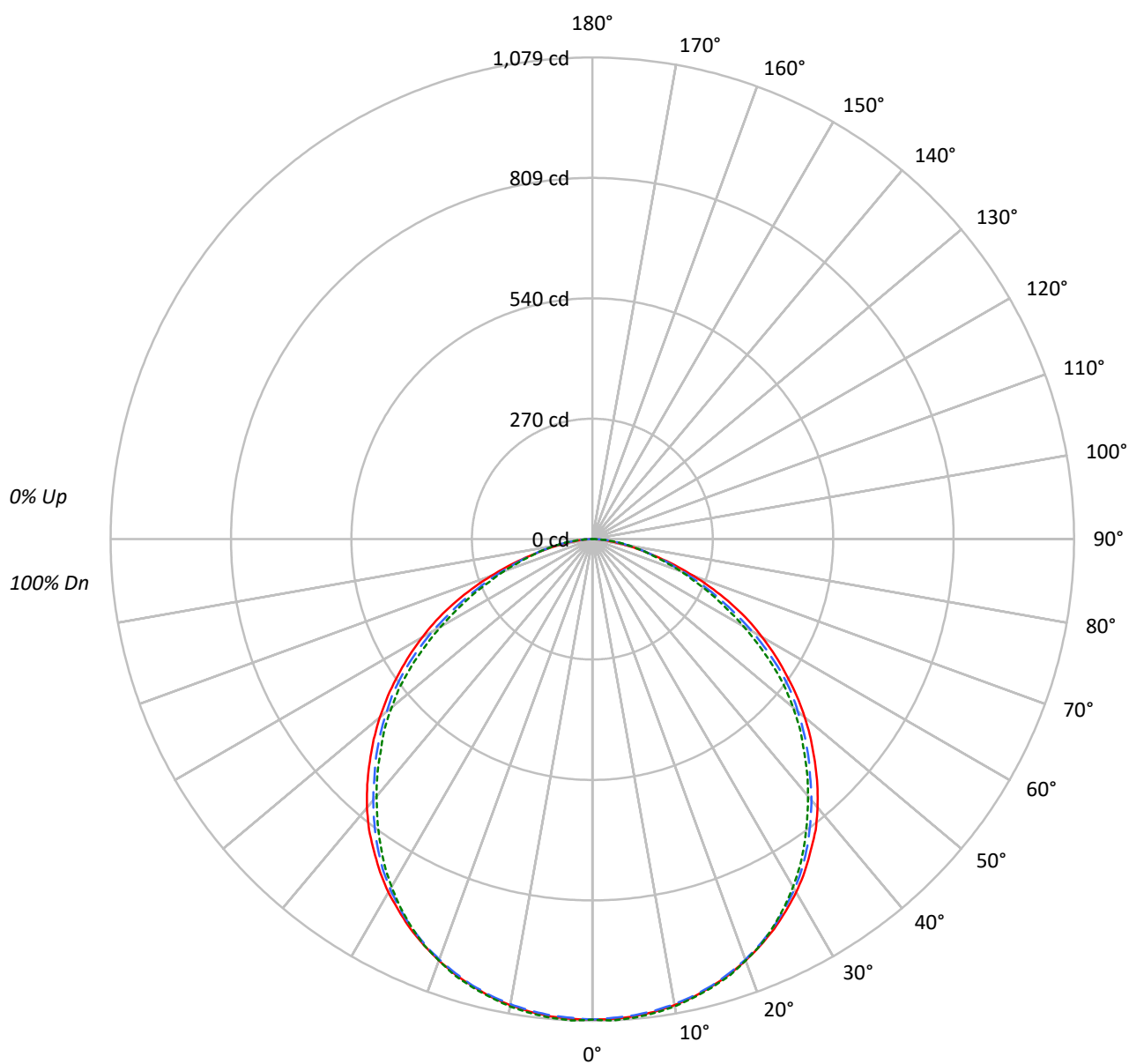
Lumens per Lamp: N/A
Luminaire Lumens: 2856.0 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2896	2896	2896
5°	2898	2892	2907
10°	2897	2891	2905
15°	2888	2884	2895
20°	2877	2870	2877
25°	2861	2849	2847
30°	2839	2814	2794
35°	2801	2758	2723
40°	2758	2682	2640
45°	2682	2602	2549
50°	2601	2516	2457
55°	2492	2408	2312
60°	2363	2223	2107
65°	2186	1985	1887
70°	1895	1729	1663
75°	1513	1480	1439
80°	1150	1285	1285
85°	849	1096	1096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2682 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	3.6
10°-20°	292.7	10.2
20°-30°	442.4	15.5
30°-40°	525.3	18.4
40°-50°	529.3	18.5
50°-60°	457.5	16.0
60°-70°	312.7	10.9
70°-80°	154.2	5.4
80°-90°	39.9	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	837.2	29.3
0°-40°	1362.5	47.7
0°-60°	2349.3	82.3
0°-90°	2856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2856.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1076	1076	1076	1076	1076	
5°	1073	1073	1071	1075	1076	102
15°	1037	1038	1035	1039	1039	293
25°	964	963	959	960	959	444
35°	853	850	840	832	829	534
45°	705	697	684	676	670	544
55°	531	530	513	498	493	475
65°	343	331	312	298	296	339
75°	146	144	142	142	138	159
85°	28	32	36	36	36	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1075.9	1076.2	1073.4	1078.2	1079.4
5°	1073.0	1073.4	1070.7	1075.0	1076.2
7.5°	1067.9	1068.7	1065.5	1069.8	1070.7
10°	1060.2	1060.7	1057.9	1062.3	1063.1
12.5°	1050.0	1050.3	1047.9	1051.8	1051.8
15°	1036.8	1037.9	1035.2	1038.8	1039.1
17.5°	1022.0	1022.4	1019.7	1023.6	1024.5
20°	1004.5	1004.5	1002.1	1005.3	1004.5
22.5°	984.9	984.9	982.1	983.7	984.5
25°	963.5	962.6	959.4	960.3	958.7
27.5°	938.7	938.7	933.0	933.0	930.3
30°	913.6	911.6	905.6	902.0	899.3
32.5°	884.8	882.0	874.5	868.1	866.1
35°	852.6	849.7	839.7	832.2	829.0
37.5°	821.5	815.1	801.9	794.4	790.7
40°	785.1	777.1	763.6	753.2	751.6
42.5°	746.1	739.7	722.2	714.5	712.6
45°	704.7	697.0	683.8	675.8	669.9
47.5°	663.9	658.3	643.2	633.7	631.6
50°	621.2	616.4	600.9	590.6	587.0
52.5°	577.0	573.8	560.6	547.4	543.1
55°	531.2	529.6	513.2	498.0	492.8
57.5°	486.1	484.1	463.7	446.2	441.4
60°	439.1	433.1	413.1	396.7	391.5
62.5°	394.4	381.7	360.1	347.3	341.4
65°	343.3	331.0	311.8	298.2	296.3
67.5°	293.1	278.4	263.6	255.2	248.8
70°	240.8	230.8	219.7	212.6	211.4
72.5°	192.1	185.0	179.4	175.0	171.4
75°	145.5	144.3	142.3	142.3	138.4
77.5°	106.9	109.7	111.3	110.9	111.7
80°	74.2	79.7	82.9	83.3	82.9
82.5°	47.1	53.5	58.7	59.4	60.3
85°	27.5	32.3	35.5	36.2	35.5
87.5°	12.3	15.5	16.4	17.1	16.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)